

## Example Problem 6A-10\_2: Design a Stop Sign Island for a Skewed Intersection

### Case 1: Right-skewed Intersection

Given:

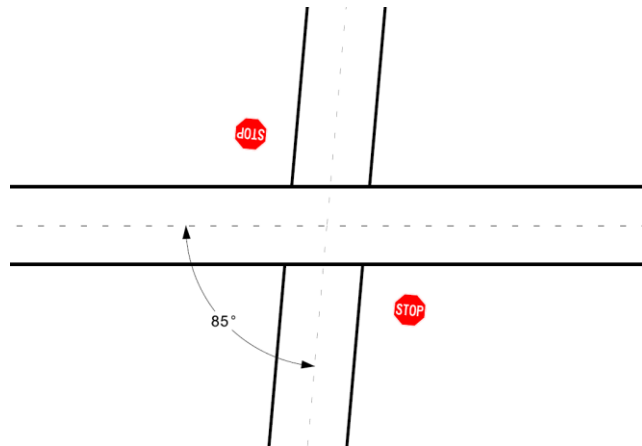
Right-skewed intersection between two-lane roadways.

Two-way stop controlled intersection.

Intersection design vehicle – WB-67.

#### **Quick Tips:**

- Intersections with acute angles less than 75 degrees are usually realigned to be perpendicular. Refer to Section [6A-08](#) for guidance.

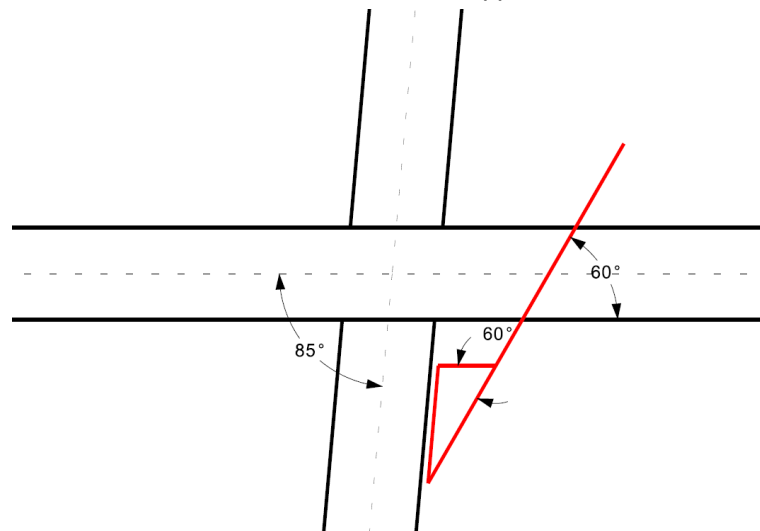


**Figure 1:** Intersection with two-way stop control.

Solution:

#### **Design the island**

1. Locate the face of the island near the mainline and approach lane.



**Figure 1:** Intersection with two-way stop control.

2. Check the area and clearance to the sign(s) within the island.

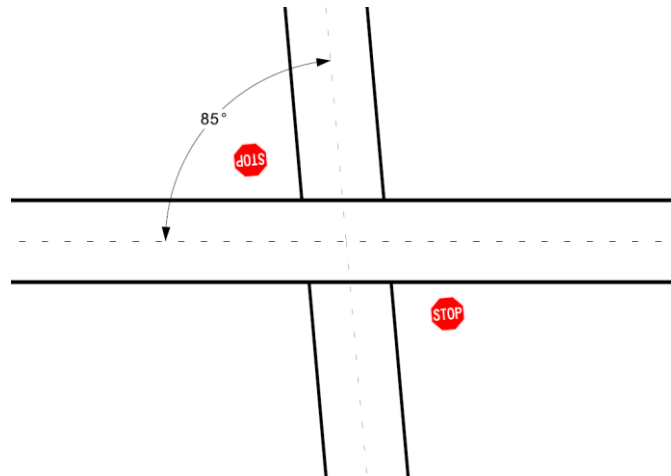
**Case 2: Left-skewed Intersection**

Given:

Left-skewed intersection between two-lane roadways.

Two-way stop controlled intersection.

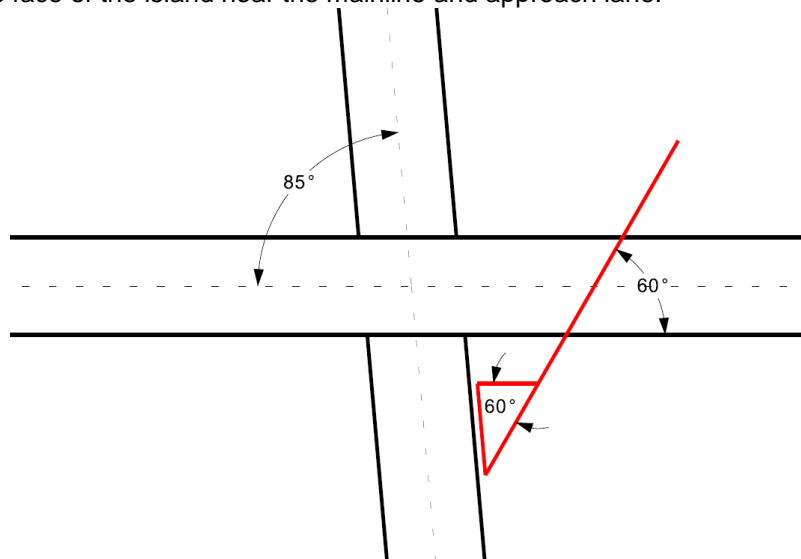
Intersection design vehicle – WB-67.

**Figure 3:** Left-skewed intersection with two-way stop control.

Solution:

**Design the interior angle of the island**

1. Locate the face of the island near the mainline and approach lane.

**Figure 4:** Intersection with two-way stop control.

2. Check the area and clearance to the sign(s) within the island.